AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Cancelled)

2. (Currently Amended) <u>A wireless system comprising:</u>
   <u>a mobile user device that is programmable so that it can be associated with</u>
   <u>multiple user profiles; and</u>
   <u>a controller coupled to service sessions, having data traffic, between the mobile</u>
   <u>user device and one or more gateways and servers that handle wireless requests,</u>
   <u>wherein controller allows the user to change from a first user profile to a second</u>
   <u>user profile within a session via selections made on the mobile user device</u>
   <u>without requiring termination of the session, which results in switching data</u>
   <u>traffic of the mobile user device from one wireless gateway to another wireless</u>
   <u>gateway;</u>
   ~~The system of claim 1~~ wherein a user profile contains at least a unique WAP gateway IP
address, NAS (Network Access Server) dialup number, and user.

3. (Currently Amended) The system of claim ~~1~~ 2 wherein the changing of a user profile
results in changing a gateway with which the mobile user device is communicating in
order to communicate with multiple gateways in parallel.

4. (Original) A wireless system for processing wireless requests, the system comprising:
   a controller coupled to service sessions between the mobile user device and one or
      more wireless gateways and servers that handle wireless requests; and
   a service selection management program coupled to the controller, wherein the
      controller provides service selection information to the service selection
      management program and the service selection management program
      communicates with the mobile user device to allow service selections to be
      dynamically changed while a wireless session is being conducted, and wherein
      subscriber identifiers and other parameters are placed into the wireless request
      to identify the changing service requirements.

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5. (Original) The system of claim 4 wherein the wireless device identifiers set user security levels for wireless data transmissions.

6. (Original) A wireless system for processing wireless requests, the system comprising:
        a controller coupled to service sessions between the mobile user device and one or more wireless gateways and servers that handle wireless requests; and
        a service selection management program coupled to the controller,
        wherein the controller provides service selection information to the service selection management program to allow the operator to dynamically establish differentiated revenue models with tiered services based on one or more of a geo-position of the mobile user device, data packet quality of service (QoS), transport security settings, network loading or prioritized resource utilization levels.

7. (Cancelled)

8. (Original) A wireless system for processing wireless requests, the system comprising:
        a controller coupled to service sessions between the mobile user device and one or more servers that handle wireless requests;
        a service selection management program coupled to the controller; and
        a plurality of wireless gateways that handle wireless requests and are connected between the controller and the one or more servers wherein the service selection management program monitors information associated with a wireless session to determine selectively which wireless gateway is to process that wireless session.

9. (Original) The system of claim 8 wherein the service selection management program is capable of intelligent service-dependent routing of WAP traffic based on mobile user device roaming, mobile user device location, user identification, or WAP service selection.

10. (Original) The system of claim 8 wherein the system inserts a subscriber identifier in all non-WTLS WAP requests.

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11. (Original) The system of claim 8 wherein a plurality of the wireless gateways are enabled in parallel to each other to process a request from mobile user device.

12. (Cancelled)

13. (Currently Amended) A wireless system using a routing table, the routing table comprising:

       a table of table entries stored in memory within the system;

       each table entry within the table being capable of pointing to one or more routing entries; and

       one or more routing entries coupled to one or more table entries;

~~The system of claim 12~~ wherein each routing entry contains all of: a device address and port, a gateway address, a subscriber ID, a quality of service parameter, an assigned proxy port and charging parameters ordered linked list; hash table.

14. (Currently Amended) A wireless system using a routing table, the routing table comprising:

       a table of table entries stored in memory within the system;

       each table entry within the table being capable of pointing to one or more routing entries; and

       one or more routing entries coupled to one or more table entries, wherein each routing entry contains one or more of a device address and port, a gateway address, a subscriber ID, a quality of service parameter, an assigned proxy port and charging parameters;

~~The system of claim 12~~ wherein the table is a hash table and the routing entries are connected as a serial ordered linked lists when more than one routing entry is associated with a single table entry.

15. (Currently Amended) A wireless system using a routing table, the routing table comprising:

       a table of table entries stored in memory within the system;

       each table entry within the table being capable of pointing to one or more routing entries; and

       one or more routing entries coupled to one or more table entries, wherein each routing entry contains one or more of a device address and port, a gateway

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address, a subscriber ID, a quality of service parameter, an assigned proxy port
and charging parameters;

~~The system of claim 12~~ wherein a wireless device user can dynamically change one or
more of the entries of their routing entry while in session.

16. (Currently Amended) A wireless system using a routing table, the routing table
comprising:

a table of table entries stored in memory within the system;

each table entry within the table being capable of pointing to one or more routing
entries; and

one or more routing entries coupled to one or more table entries, wherein each
routing entry contains one or more of a device address and port, a gateway
address, a subscriber ID, a quality of service parameter, an assigned proxy port
and charging parameters;

~~The system of claim 12~~ wherein the routing table represents a mapping of the subscriber
to a current WAP gateway of choice wherein that WAP gateway may be changed by
changing information in the routing table.

17. (Currently Amended) A wireless system using a routing table, the routing table
comprising:

a table of table entries stored in memory within the system;

each table entry within the table being capable of pointing to one or more routing
entries; and

one or more routing entries coupled to one or more table entries, wherein each
routing entry contains one or more of a device address and port, a gateway
address, a subscriber ID, a quality of service parameter, an assigned proxy port
and charging parameters;

~~The system of claim 12~~ wherein the routing table represents the service profile or service
level associated with a WAP gateway and a subscriber's individual security and priority
profile/level wherein this information may be dynamically changed by the subscriber.

18. (Original) A wireless system having a controller, the controller comprising:

an input routine for receiving information from a wireless device;

worker threads for processing requests received through the input routine and
either obtaining data from external gateways in response to the requests or

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      providing requests to a service management module to process service selection
        for the wireless device;
      a routing table for use by the worker threads when processing requests; and
      drive page threads for providing data back to wireless devices in response to
        processed requests.

19. (Original) The system of claim 18 wherein data within memory and associated with each wireless device may be changed so that some of the wireless devices are associated with a variety of payment schemes.

20. (Original) The system of claim 18 wherein data within the system for each wireless device may be changed so that some of the wireless devices access a first gateway while other wireless devices access a second gateway.

21. (Original) The system of claim 18 wherein service choices for a wireless device may be made on demand by changing information within the routing table.

22. (Original) The system of claim 18 wherein each wireless device is assigned a unique identifier in the routing table and dynamic services may be selected and changed using that unique identifier.

23. (Original) A method to support consistent parameters and service settings while roaming within a wireless system, the method comprising:
      fixing a static IP address within a mobile device;
      receiving, in a foreign network, a request from the mobile device where the
        request is associated with the static IP address;
      forwarding the request from the foreign network to a wireless gateway within the
        home network using the static IP address; and
      processing, within the home network, the request using parameters and service
        settings stored within the home network.

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